

# STATE OF COLORADO

Bill Owens, Governor  
Jane E. Norton, Executive Director

*Dedicated to protecting and improving the health and environment of the people of Colorado*

HAZARDOUS MATERIALS AND WASTE MANAGEMENT DIVISION  
<http://www.cdphe.state.co.us/hm/>

4300 Cherry Creek Dr. S.  
Denver, Colorado 80246-1530  
Phone (303) 692-3300  
Fax (303) 759-5355

222 S. 6th Street, Room 232  
Grand Junction, Colorado 81501-2768  
Phone (970) 248-7164  
Fax (970) 248-7198



Colorado Department  
of Public Health  
and Environment

December 15, 1999

Mr. Joseph Legare  
Assistant Manager for Environment and Infrastructure  
U.S. Department of Energy, Rocky Flats Field Office  
10808 Highway 93, Unit A  
Golden, CO 80403-8200



RE: Reconnaissance Level Characterization Report for T112A and T112C

Dear Mr. Legare:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division (Division) has completed the review of the Reconnaissance Level Characterization Report (RLCR) for Buildings T112A and T112C, dated November 19, 1999, received on November 24, 1999.

In reviewing the data provided in this RLCR, several initial radiological surveys appeared to be above levels of concern. These anomalous readings raised concerns that did not appear to be specifically addressed in this document. A meeting was held, during the regularly scheduled D&D meeting on December 14, to review these concerns. Mr. Jeff Stevens stated that all of the initially high readings were actually radon, as indicated by the results of the additional surveys that were accomplished, which showed levels lower than levels of concern for these locations. Additional survey information, not previously included in the RLCR, was provided which also indicated that the initial high readings were not seen in the re-survey of the area of concern on the exterior side of T112A.

Based on the information provided to the Division and contained in this document, the Division concurs with the Type 1 designation of T112A and T112C. The proposed disposition/disposal of these two buildings also appears to be appropriate considering the Type 1 designation and the current physical and environmental condition of T112A and T112C.

Information related to the third Building, T112B, that was originally part of the group of buildings being characterized, was also included in this document. The Division is aware of the concerns with the initial Type 1 designation of this building and the potential for reclassification (possible Type 2), or possible additional remedial activities (to maintain the Type 1 designation)

**ADMIN RECCRD**

1A-A-000518

1/6

that may need to occur. As such, the Division is of the understanding that Building T112B will remain in the PU&D Yard until a decision regarding the apparent Americium contamination on the roof and possible further remedial actions are determined. Therefore, none of the information contained in this document related to T112B, or the possible americium contamination, was reviewed for approval or concurrence at this time.

The information related to concerns with Building T112B needs to be provided in appropriate documents to be submitted for the proper characterization, remediation, and disposition of T112B.

If you have any questions regarding this correspondence, please contact David Kruchek at (303) 692-3328.

Sincerely,

A handwritten signature in black ink, appearing to read "Steve H. Gunderson", with a long horizontal line extending to the right.

Steven H. Gunderson  
RFCA Project Coordinator

cc: Steve Tower, DOE  
Kent Door, KH  
Tim Rehder, EPA  
David Shelton, KH

COPY

Property

Waste

Sample

## RELEASE EVALUATION FORM

Page 1 of 2

Release Evaluation No.: 000124-T130B-001 EXTENDED: No EXPIRES: N/A Charge No.: NG2200E1

## PART I

## SENDER/CUSTODIAN ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred: Office Trailers T112A and T112C

Current Location: PU &amp; D Yard

Destination: Offsite sale or disposal

New Recipient/Custodian: Dick Link

History/Process Knowledge: See attached "Reconnaissance Level Characterization Report for T112A and T112C (Revision 1)"

Has the specified material ever been in an RBA/CA or contacted DOE controlled radioactive materials? Unkown

- 1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.  
 2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian: *[Signature]* Emp. No:                      Date: 1/24/00 Ext: 5352

## PART II

## RADIOLOGICAL ENGINEERING

**SPECIFIC REQUIREMENTS AND/OR COMMENTS:** The trailers have been surveyed in accordance with the requirements of MARSSIM and RFCA and have been subjected to the KH D & D Advance Planning Process. The detail of these survey requirements and the results are contained in "Reconnaissance Level Characterization Report for T112A and T112C (Revision 1)". No further survey data is required for unrestricted release of these trailers.

Evaluated: *[Signature]* Emp. No:                      Date: 1/24/00 Ext: 5109  
 Radiological Engineer

## APPROVAL FOR TRANSFER/SHIPMENT

Approved: *[Signature]* Emp. No:                      Date: 1/24/00 Ext: 389  
 Radiological Engineer

# COPY

## PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 000124-T130B-001 Page 2 of 2

### Release Evaluation for Waste:

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

### Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

### Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

*"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."*

### Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page \_\_\_ of \_\_\_, initials of Radiological Engineer signing approval for transfer/shipment and date.

# Declaration of Excess

002837

Property Custodian Name (Please Print)		Employee Number	Custodian Building	Property's Location
J. DEVERE			3061	NE of B280
Property Custodian Signature		Extension/Pager	Custodian Room/Cube	Request Date
			24	10-01-97
To be filled out by Custodian Personnel				

Line Item	Property Control Number	Serial Number	Description/Manufacturer/Model Number	Qty	Unit of Issue	Cond Code	Qty Rec'd	Storage Location	Date Rec'd	Rec'd By	Final Disposition
01	0005621500		TRAILER, 14' X 56'	1	EA	4					
02			T112C								
03											
04											
05											
06											
07											
08											
09											
10											

Unrestricted Property Release Approval		"High Risk" Review Certification		ADP Applicable Only		Certification for Removal of Hazardous Material		Final Disposition	
The above described item(s) has been evaluated and/or Radiologically surveyed in accordance with RSP 9.01 and is approved for Unrestricted Release.		<input type="checkbox"/> "No ECProliferation" Concern <input type="checkbox"/> "High Risk" Property <input type="checkbox"/> "Export Controlled" Property		These computer systems have met all security requirements as outlined in the appropriate ACSSOs and "Computer User Handbook" (Classified and Unclassified)		<input type="checkbox"/> YES <input type="checkbox"/> NO If no, by signing below, I certify that all hazardous material constituents have been removed from the property		1 - Transfer 2 - Gift 3 - Grant 4 - Sale 5 - Low Level Waste 6 - Donation 7 - Scrap	
Property Release Log No: _____ P/WRE No: 000134-T1303-001		Export Control Officer _____ Date _____		CSO Print Name _____ Employee No _____ CSO Signature _____ Date 12-27-97		Signature _____ Date _____			
Employee ID: _____ Rad. Ops/Rad Eng Signature _____ Date 1-24-00									

ORIGINAL

# Declaration of Excess

002845

Property Custodian Name (Please Print) <b>C. FERG-</b>		Employee Number	Custodian Building <b>061</b>	Property's Location <b>280 YARD</b>								
Property Custodian Signature <i>[Signature]</i>		Extension/Pass <b>7534/2303</b>	Custodian Room/Cube <b>5B</b>	Request Date <b>1/24/00</b>								
Line Item #	Property Control Number	Serial Number	Description/Manufacturer/Model Number	Qty	Unit of Issue	Cond Code	Qty Rec'd	Storage Location	Date Rec'd	Rec'd By	RSC	Final Dis.
01	0000380400		MOBILE OFFICE, 5 WIDE, T112A	1	EA	\$	1	280				7
02												
03												
04												
05												
06												
07												
08												
09												
10												

Unrestricted Property Release Approval The above described item(s) has been evaluated and/or radiologically surveyed in accordance with RSP 9.01 and is approved for Unrestricted Release. Property Release Log No: <b>0200124-T1303-01</b> PWIRE No: <b>0200124-T1303-001</b> Employee No: <b>[Redacted]</b> Rad Ops/Rad Eng Signature: <i>[Signature]</i> Date: <b>1-24-00</b>		<b>"High Risk" Review Certification</b> <input type="checkbox"/> "No ECNP/Proliferation" Concern <input type="checkbox"/> "High Risk" Property <input type="checkbox"/> "Export Controlled" Property Export Control Officer: _____ Date: _____		<b>ADP Applicable Only</b> These computer systems have met all security requirements as outlined in the appropriate ACSSOs and "Computer User Handbook" (Classified and Unclassified) CSSO Print Name: _____ Employee No: _____ CSSO Signature: _____ Date: _____		<b>Certification for Removal of Hazardous Material</b> <input type="checkbox"/> YES <input type="checkbox"/> NO If no, by signing below, I certify that all hazardous material constituents have been removed from the property Signature: _____ Date: _____		<b>Final Disposition</b> 1 - Transfer 2 - Gift 3 - Grant 4 - Sale 5 - Low Level Waste 6 - Donation 7 - Scrap	
---	--	--	--	--	--	---	--	---	--

ORIGINAL

1/6